

Patent Abstracts of Japan

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APPLICANT : SANYO ELECTRIC CO LTD;

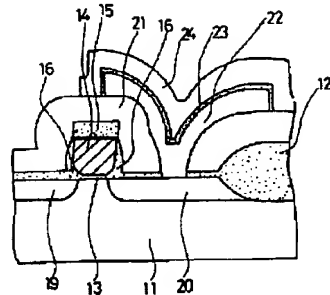
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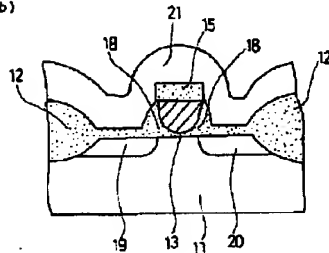
TITLE : SEMICONDUCTOR STORAGE DEVICE  
AND ITS MANUFACTURE

(a)

B7



(b)



ABSTRACT : PURPOSE: To provide a semiconductor storage device which can meet both demands for a high hot carrier resistance and high operating speed and its manufacturing method.

CONSTITUTION: A relatively small first gate bird's beak 16 is formed for a MOS transistor in a memory cell across which no high voltage is applied and a larger second gate bird's beak 18 is formed for a MOS transistor in a memory cell across which a large voltage is applied. Therefore, the hot carrier resistances of the MOS transistors in peripheral circuits can be freely increased while the current driving capacities of the MOS transistors in the memory cells are secured.

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